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NOTICE OF ALLOWANCE AND FEE(S) DUE

25920 7590 69/08/2009
MARTINE PENILLA & GENCARELLA, LLP
710 LAKEWAY DRIVE
SUITE 200
SUNNYVALE CA 94085

EXAMINER			
WANG, KENT F			
ART UNIT	PAPER NUMBER		
2622			
DATE MAILED: 09/08/2/	009		

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/758,817	01/16/2004	Richard L. Marks S	SONYP031/SCEA03010US0	0 6584

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth tions	ng the Patent, nerwise in Blo	advance or ock 1, by (a	rders and notification a) specifying a new o	of n	naintenance fees w pondence address;	ill be and/or	nailed to the current (b) indicating a sepa	correspondence add ate "FEE ADDRE	lress as SS" for
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APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR	ATTORNEY DOCKET NO		RNEY DOCKET NO.	CONFIRMATION	NO.
10/758,817	01/16/2004			Richard L. Mark	s	S	ONYP	31/SCEA03010US00	6584	
TITLE OF INVENTION	: METHOD AND APPA	RATUS FOR	ROPTIMIZ	ING CAPTURE DEV	TCE S	SETTINGS THRO	UGHI	DEPTH INFORMATIO	ON	
APPLN, TYPE	SMALL ENTITY	ISSUE FE	E DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSUI	SFEE	TOTAL FEE(S) DUE	DATE DUE	
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WANG,		262		348-370000						
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address for Change of Correspondence Address form PTOSBI 223 attached. "Fee Address' indication or "Fee Address' Indication form PTOSBI 47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			pondence	2. For printing on the patent front page, list (1) the aames of up to 3 registered patent attorneys c agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
3. ASSIGNEE NAME A PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIGNAME Please check the appropri	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, roletion of this	no assignee form is NO	data will appear on t T a substitute for filin (B) RESIDENCE: (6	the page and CITY	atent. If an assign assignment. and STATE OR C	OUNT			
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NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not tes Patent and	t be accepte l Trademark	d from anyone other t Office.	han th	he applicant; a regi	stered a	ttorney or agent; or th	e assignee or other p	party in
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MARTINE PEN	LLA & GENCARE	LLA, LLP	WANG,	KENT F
710 LAKEWAY E	RIVE		ART UNIT	PAPER NUMBER
SUITE 200 SUNNYVALE C	\ 94085		2622	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 639 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 639 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

cation No.	Applicant(s)					
8,817	MARKS, RICHARD L.					
niner	Art Unit					
WANG	2622					
EMAINS) CLOSED in this apper appropriate communication. This application is subject to PEP 1308.	plication. If not include will be mailed in due o withdrawal from issue	ed course. THIS e at the initiative				
received. received in Application No		ion from the				
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date						
Interview Summary Paper No./Mail Dat Examiner's Amendr	(PTO-413), te ment/Comment	wance				
	EMAINS) CLOSED in this apper are appropriate communication. This application is subject to PEPP 1308. 08/17/2009. Imbered to 1-7, 10-15, 18-25. I.U.S.C. § 119(a)-(d) or (f). received. received in Application No ts have been received in this communication to file a reply f this application. Lote the attached EXAMINER on(s) why the oath or declaration with the communication to file a reply for this application. Lote the attached EXAMINER on(s) why the oath or declaration with the communication to file a reply for this application. Lote the attached EXAMINER on(s) why the oath or declaration with the content of the travited and the content of the travited according to 37 CFR 1:21(3). BIOLOGICAL MATERIAL IN THE DEPOSIT OF BIOLOGIC 5. Notice of Informal P 6. Interview Summary Paper No./Mail Da 7. Examiner's Amendria.	88.817 MARKS, RICHARD Art Unit F WANG 1 the cover sheet with the correspondence addr RMANS) CLOSED in this application. If not include or appropriate communication will be mailed in due. This application is subject to withdrawal from issu- IPEP 1308. 88.17.18.29.29.31.34.30.35. 1 U.S.C. § 119(a)-(d) or (f). Treceived. 1 the cover sheet with the correspondence addr received in Application is subject to withdrawal from issu- IPEP 1308. 2 U.S.C. § 119(a)-(d) or (f). Treceived. 1 the cover sheet with the received in Application No. 1 the cover sheet with this national stage application. 1 the cover sheet with the received in this national stage application. 1 the cover sheet with the received in this national stage application. 1 the cover sheet with the received in the received in Application in the received in Application. 1 the cover sheet with the cover sheet with the received in Application in the Comment or in the Office action of should be written on the drawings in the front (not the ler according to 37 c/rs. 1.121(d). 1 the DEPOSIT OF BIOLOGICAL MATERIAL 1 the properties of Informal Patent Application 1 the DEPOSIT OF BIOLOGICAL MATERIAL 2 the properties of Informal Patent Application 3 the properties of Informal Patent Application 4 the DEPOSIT OF BIOLOGICAL MATERIAL 3 the properties of Informal Patent Application 4 the DEPOSIT OF BIOLOGICAL MATERIAL 4 the properties of Informal Patent Application 5 the properties of Informal Patent Application 6 the properties of Informal Patent Application 7 the properties of Informal Patent Application 8 the properties of Informal Patent Application 8 the properties of Informal Patent Application 9 the properties of Informal Patent Application 1 the properties of Informal Patent Application 2 the properties of Informal Patent Application 3 the pr				

DETAILED ACTION

Response to Amendment

 The Amendment filed on 08/17/2009 has been received and made of record. Claims 1, 9, 17, and 25 have been amended. Claims 1-4, 6-11, 13-15, and 17-40 are pending in the application.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

As to independent claim 1, the prior art does not teach or fairly suggest a method for differentiating between foreground objects and background objects within a scene being captured through an image capture device, comprising: adjusting an image capture device parameter according to bit values of the depth mask for one or more of a sequence of captured image frames of the scene, wherein the image capture device parameter is selected from one of brightness, exposure or gain; and applying the adjusted image capture device parameter so that the brightness, exposure, or gain of the captured image frames is adjustable independently for both of the objects within the foreground region and the objects within the background region; and tracking an object within the foreground region, the tracking being enhanced by the applied adjusted image capture device parameter, and in combination with other elements.

As to independent claim 9, the prior art does not teach or fairly suggest a method for adjusting image capture settings for an image capture device, comprising: adjusting pixel values of the data defining the image corresponding to objects within any one or both of a foreground region and a background region of the captured image, wherein the adjusting of pixel values is according to bit values of the depth mask, wherein the adjusting pixel values causes a change in brightness such that both of the pixel values associated with the foreground region and pixel values associated with the background region are adjustable independently for brightness; and tracking an object within the foreground region, the tracking being enhanced by the adjusting of pixel values, and in combination with other elements.

As to independent claim 17, the prior art does not teach or fairly suggest an image capture device configured to provide an image of a scene, comprising: image capture logic configured to adjust an image capture device setting for a characteristic associated with the image based upon a corresponding bit value of the depth mask, wherein the bit value determines whether the respective pixel is associated with one of the foreground objects and the background objects, and the image capture logic is configured to apply the adjusted image capture device setting so that the pixels of the image associated with both of the foreground objects and the background objects are adjustable independently for the characteristic, and wherein the characteristic is selected from a group consisting of exposure, gain, and brightness; and tracking logic configured to track an object within the foreground region, the tracking being enhanced by the applied adjusted image capture device setting, and in combination with other elements.

As to independent claim 25, the prior art does not teach or fairly suggest a system comprising an image capture logic configured to apply the adjusted image capture device setting so that each pixel of the image is adjustable independently of another pixel for the characteristic, whether associated with the foreground objects or the background objects, and wherein the characteristic is selected from the group consisting of exposure, gain, and brightness; and a tracking logic configured to track an object within the foreground region, the tracking being enhanced by the applied adjusted image capture device setting, and in combination with other elements.

As to claims 2-4, 6-8, 10-15, 18-24, and 26-40, these claims are dependent upon allowable independent claim 1, 9, 17, and 25, respectively, and are thus also considered allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kent Wang whose telephone number is 571-270-1703. The examiner can normally be reached on 8:00 A.M. - 5:30 PM (every other Friday off). Art Unit: 2622

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-270-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://portal.uspto.gov/external/portal/pair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)? If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TUAN HO/ Primary Examiner, Art Unit 2622 KW

31 August 2009